

## CLAIMS

1. A highly available transaction processing system comprising:  
operations management and smart plug-n modules;  
a service navigator module;  
a global control module;  
a local control module;  
error analyzer modules;  
a remote mirroring module;  
database modules;  
a database backup module;  
an archive log handling module; and  
a tuxedo module.
2. A highly available transaction processing system comprising:  
a primary transaction processing site that includes hardware and software components for processing transactions on behalf of client computers;  
a standby transaction processing site that includes hardware and software components for processing transactions on behalf of client computers and that is continuously updated with data to reflect the data state of the primary transaction processing site; and  
and management components and services that monitor the primary site for errors and that fail over the primary site to the standby site in order to continue transaction processing at the remote site when an error the prevents continued transaction processing is detected on the primary site.
3. The highly available transaction processing system of claim 2 wherein the management components and services include a service state display component that displays the operation status of the hardware and software components of the primary and standby sites.
4. The highly available transaction processing system of claim 2 wherein the management components and services include an interface that allows an application program to determine the status of a data replication operation that replicates data stored by a primary site device on a remote site device

FOI b7E, b7C, b7D, b7F, b7G, b7H, b7I, b7J, b7K, b7L, b7M, b7N, b7O, b7P, b7Q, b7R, b7S, b7T, b7U, b7V, b7W, b7X, b7Y, b7Z

5. The highly available transaction processing system of claim 2 wherein the management components and services include a rapid database failover and restoration component that fails over database processing from the primary site to the standby site without data loss.

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T07T90.4045.0360